

PRODUCT PERFORMANCE / EFFICACY REVIEW

Mark Suarez, Entomologist - IB


24 MAY 2006

DATE: 24 May 2006

EPA REG. NUMBER: 74921-L

PRODUCT NAME: Proaxis GPC

REGISTRANT: Pytech Chemicals GMBH

PM: George LaRocca, PM 13

REVIEWER: BeWanda Alexander

DECISION #: 359574

DP BARCODE: 328326

ACTION: R31

ACTIVE INGREDIENT(S): 128807, γ -cyhalothrin.....5.9%

TYPE: Liquid surface, crack and crevice or spot treatment

OPPTS GUIDELINE(S): 810.1000
810.3000
810.3500
810.3600, as applicable

MRID: 40942208
41123304
41123305
41123306
41123307
41123308
41123309
41123310
41177513
41387701
41910801
44191401
44760101
44862401
45229501
45229502
45241701

45241702
45241703
45735701
45735702

GLP ?:

No.

SITES:

Indoor and Outdoor: Residential and Non-residential landscapes

PESTS:

Ants; Bedbugs; Bees; Centipedes;
Cockroaches; Fleas; Flies; Mosquitoes;
Spiders; Termites (above ground only);
Ticks; Wasps; Scorpions

STUDY APPLICATION RATE:

Variable.

LABEL APPLICATION RATE:

0.0075-0.03%

ENTOMOLOGIST'S COMMENTS AND RECOMMENDATIONS:

The data cited are not for γ -cyhalothrin, but rather λ -cyhalothrin. The effectiveness of γ -cyhalothrin can reasonably be expected to exceed that of λ -cyhalothrin, as the insecticidally active isomer is the γ -isomer. Data have neither been submitted nor cited that demonstrating the enhanced efficacy of γ -isomer. Therefore, the cited data have been reviewed and were considered as if they were cited in support of a λ -cyhalothrin formulation. The cited studies have been determined to support the following pests, when applied at a rate of 1 gal/1000 sq. ft.:

1. Ants
 - a. including Fire Ants (*Solenopsis invicta*) at or above 0.03%
 - b. except Carpenter Ants (*Camponotus* spp.) and Pharaoh Ants (*Monomorium pharoanis*)
2. Bedbugs, at or above 0.015%
3. Bees & Wasps, at or above 0.0075%
4. Centipedes, at or above 0.015%
5. Cockroaches, at or above 0.015% (residual claims at or above 0.03%)
6. Fleas, at or above 0.015% (for outdoor use only)
7. Flies, at or above 0.0075%
8. Mosquitoes, at or above 0.03% (for residual claims use 0.06%)
9. Spiders, at or above 0.03%
 - except Black Widow Spiders and Brown Recluse Spiders.
10. Termites (above ground only; not structural protection), at or above 0.0075%
11. Ticks, at or above 0.03%
12. Scorpions, at or above 0.03%

Enclosure

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